

Data File : VL035669.D
Acq On : 17 Sep 2020 23:15
Operator : SY/AP
Sample : L3983-05DL2 300X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Quant Time: Sep 18 02:35:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1146787	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4441337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4381143	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3191815	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	31674	0.648	ppbv	96
15) Acetone	3.87	43	115640	0.914	ppbv	92
16) 1,3-Butadiene	3.30	39	14313	0.304	ppbv #	17
20) Methylene Chloride	4.35	84	16762	0.178	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	4087	0.040	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	101093	0.778	ppbv	96
38) Trichloroethene	7.85	130	185231	1.109	ppbv	98
39) 1,2-Dichloropropane	7.18	63	846144	8.712	ppbv #	33
52) Tetrachloroethene	11.24	164	4113648	24.493	ppbv	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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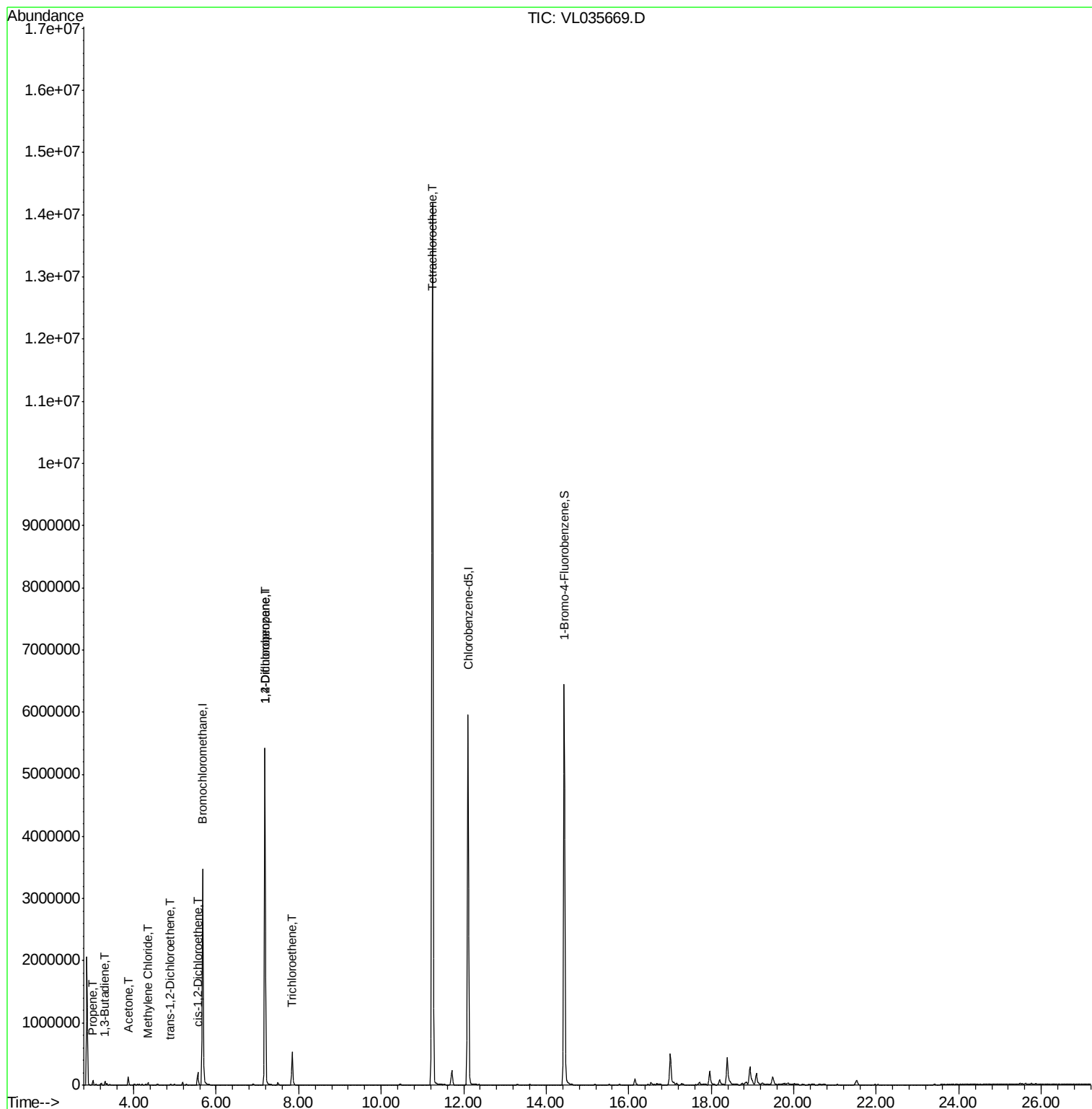
Quant Time: Sep 18 02:35:24 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020

QLast Update : Mon Sep 14 15:19:50 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

SV-11ADL2

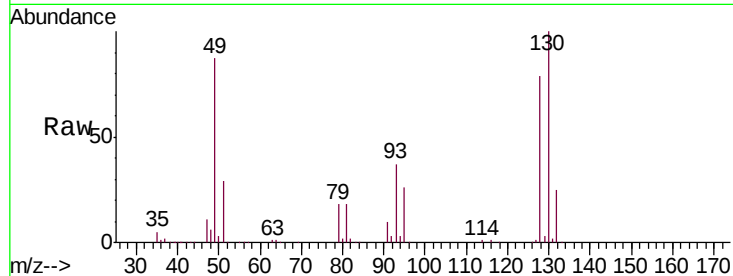
Tgt Ion: 49 Resp: 1146787

Ion Ratio Lower Upper

49 100

128 89.5 50.0 150.1

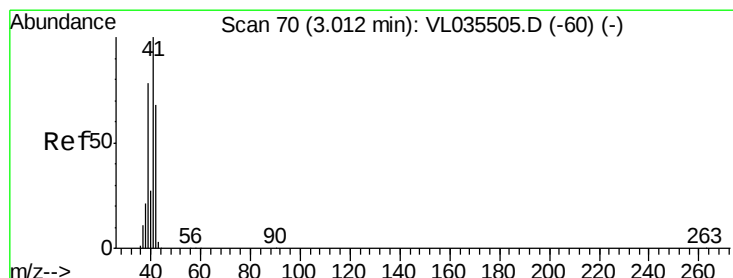
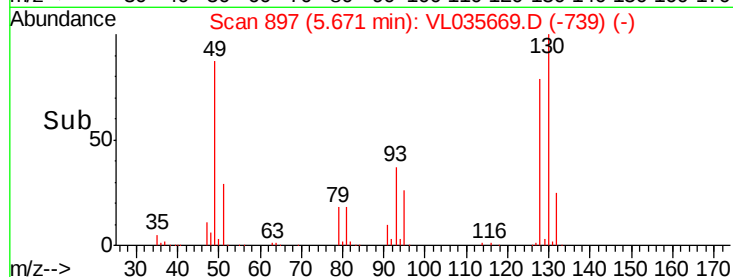
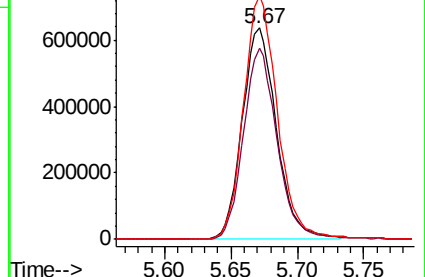
130 114.9 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.648 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035669.D

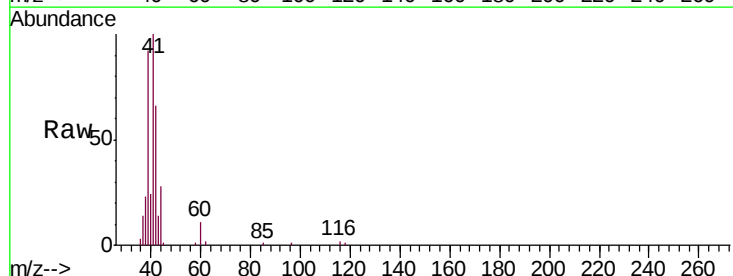
Acq: 17 Sep 2020 23:15

Tgt Ion: 41 Resp: 31674

Ion Ratio Lower Upper

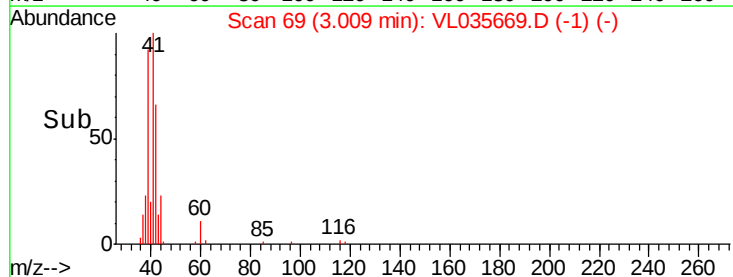
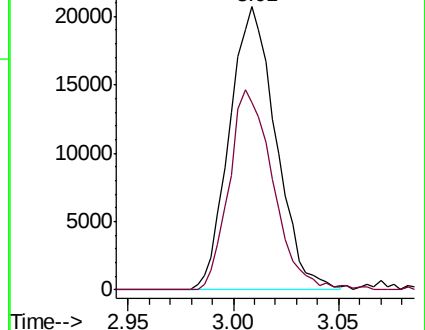
41 100

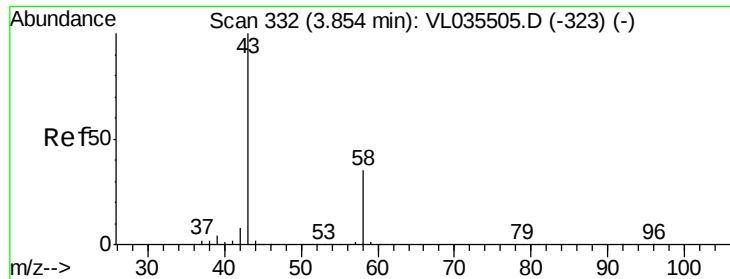
42 67.0 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.914 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

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MSVOA_L

ClientSampleId :

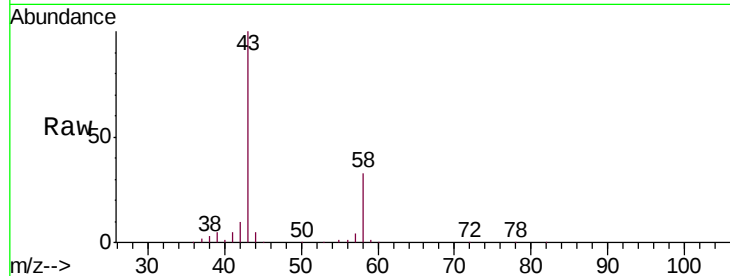
SV-11ADL2

Tgt Ion: 43 Resp: 115640

Ion Ratio Lower Upper

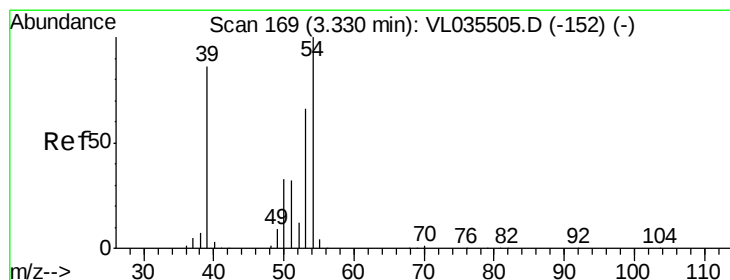
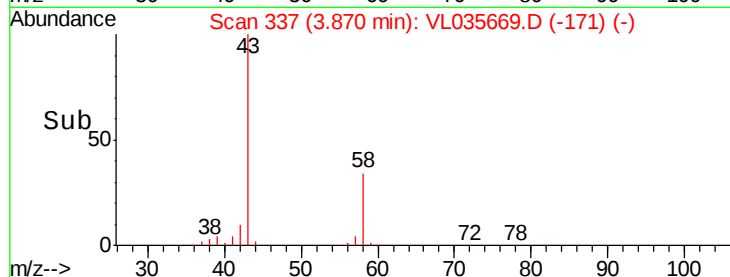
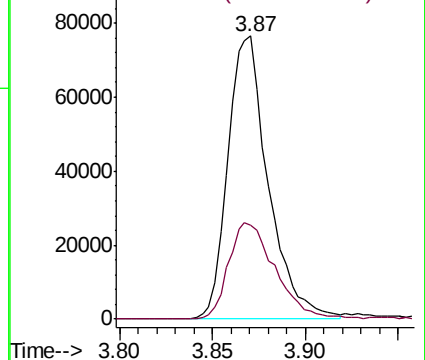
43 100

58 40.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.304 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL035669.D

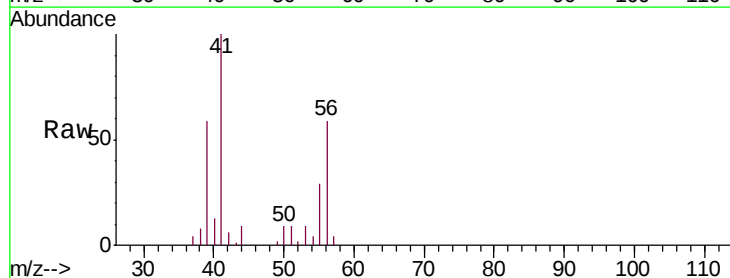
Acq: 17 Sep 2020 23:15

Tgt Ion: 39 Resp: 14313

Ion Ratio Lower Upper

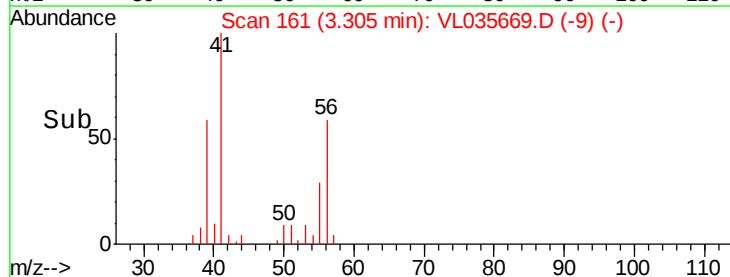
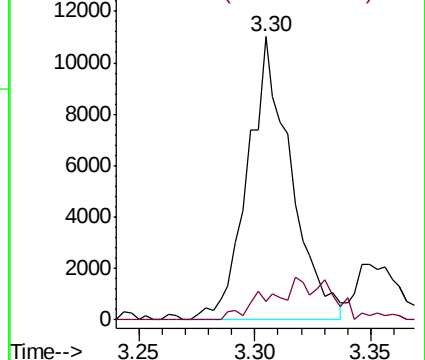
39 100

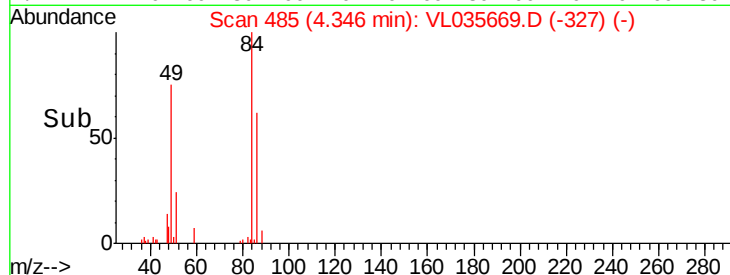
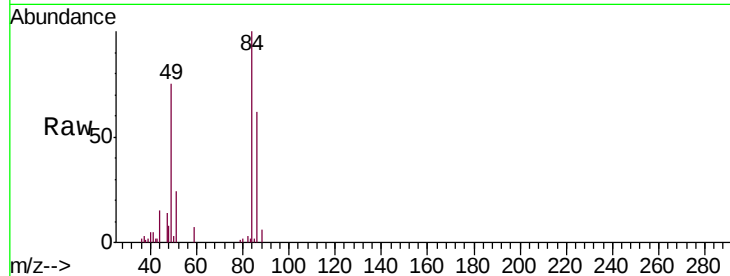
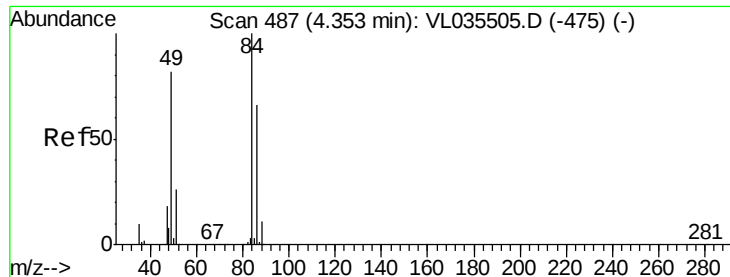
54 22.4 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

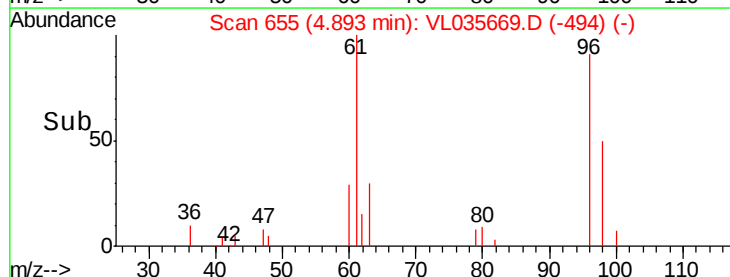
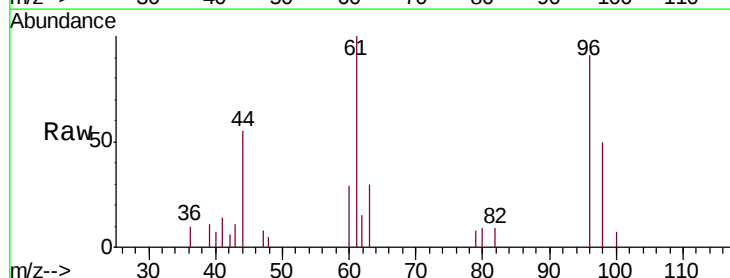
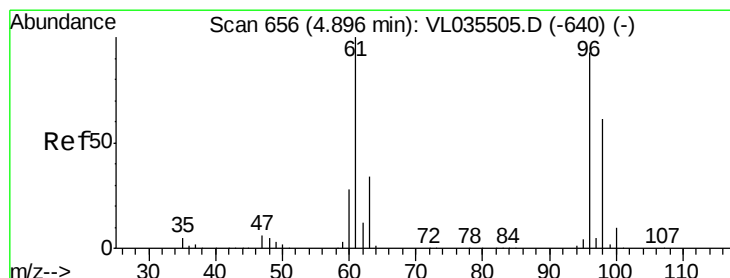
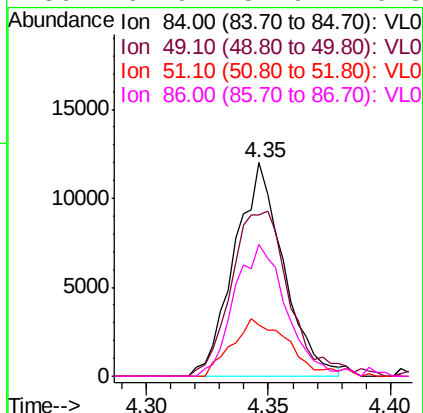




#20
Methylene Chloride
Concen: 0.178 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

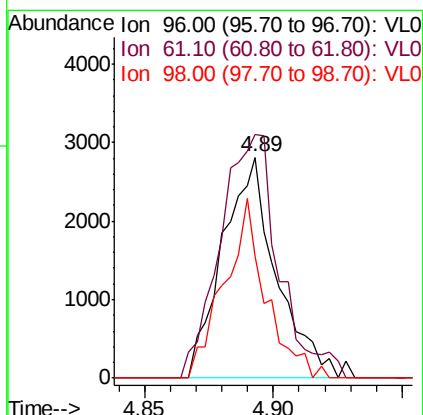
Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

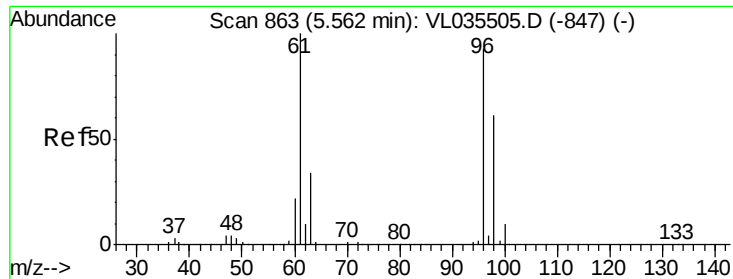
Tgt Ion:	84	Resp:	16762
Ion	Ratio	Lower	Upper
84	100		
49	75.2	65.4	98.0
51	23.9	21.5	32.3
86	61.9	52.9	79.3



#22
trans-1,2-Dichloroethene
Concen: 0.040 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.02 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

Tgt Ion:	96	Resp:	4087
Ion	Ratio	Lower	Upper
96	100		
61	102.6	86.0	129.0
98	55.2	52.3	78.5



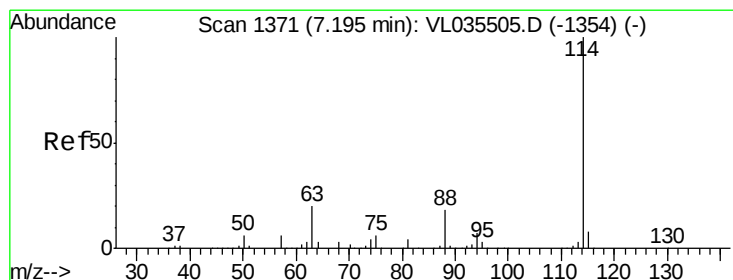
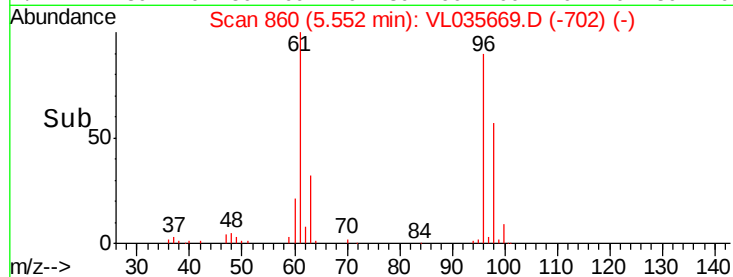
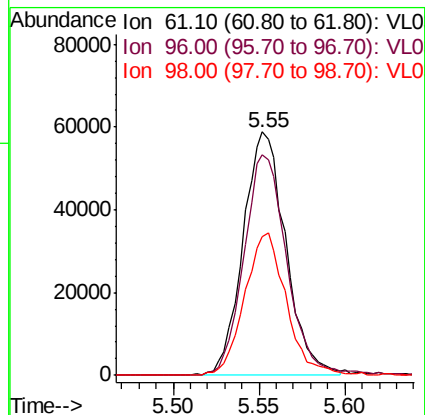
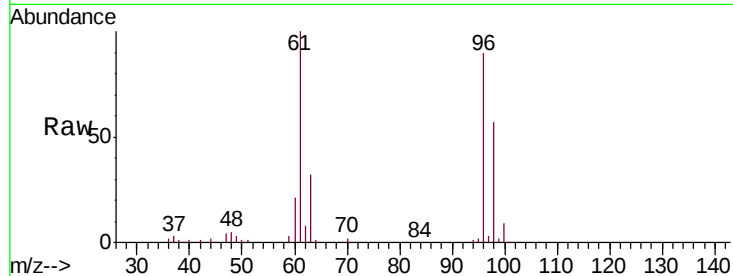


#31

cis-1,2-Dichloroethene
Concen: 0.778 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

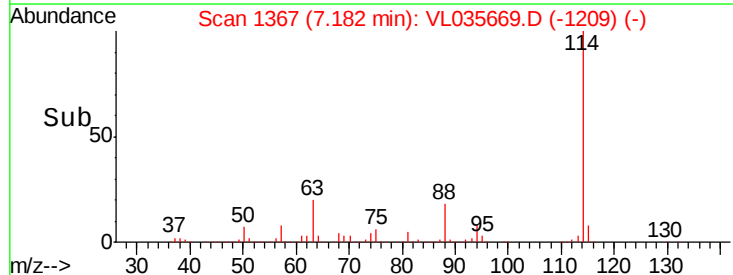
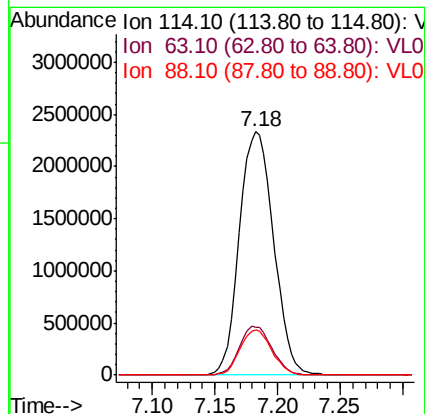
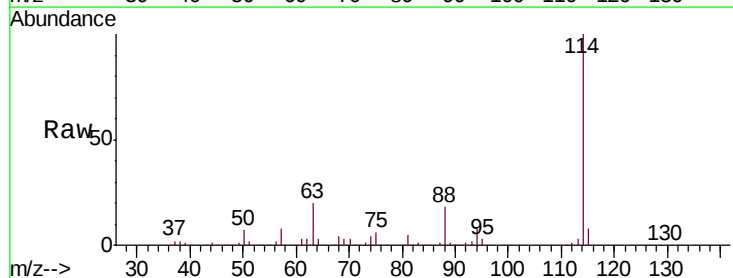
Tgt Ion: 61 Resp: 101093
Ion Ratio Lower Upper
61 100
96 90.4 74.4 111.6
98 56.9 49.2 73.8

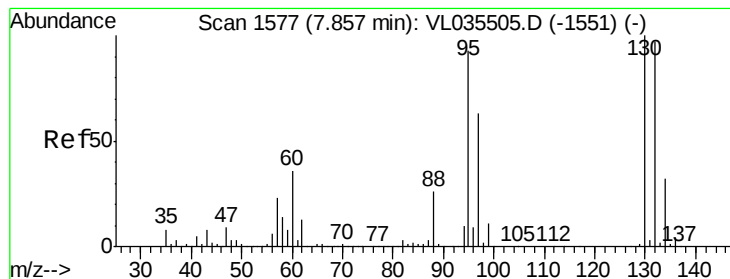


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

Tgt Ion: 114 Resp: 4441337
Ion Ratio Lower Upper
114 100
63 19.2 14.7 22.1
88 17.3 13.4 20.2





#38

Trichloroethene

Concen: 1.109 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

Tgt Ion: 130 Resp: 185231

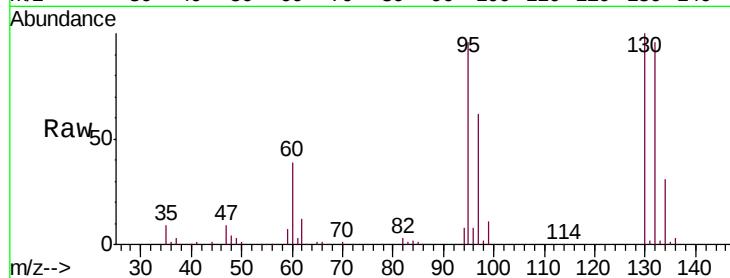
Ion Ratio Lower Upper

130 100

95 96.1 74.6 112.0

132 96.4 77.6 116.4

97 62.4 50.6 76.0

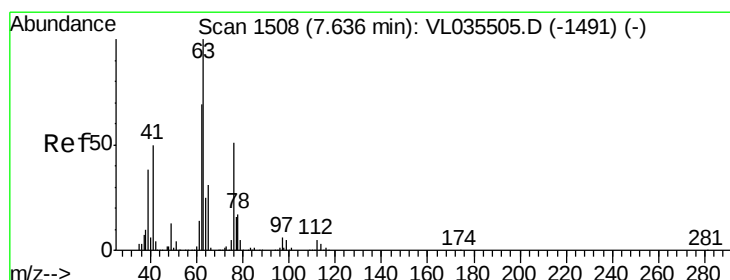
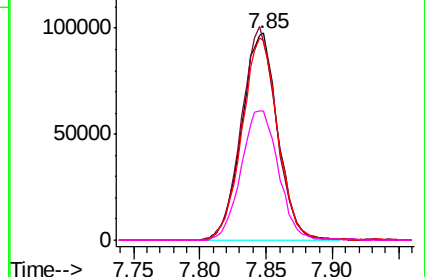
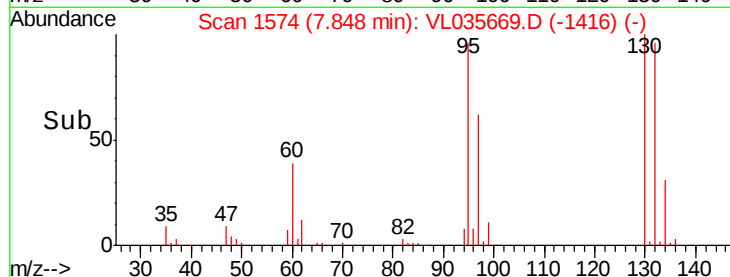


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.712 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

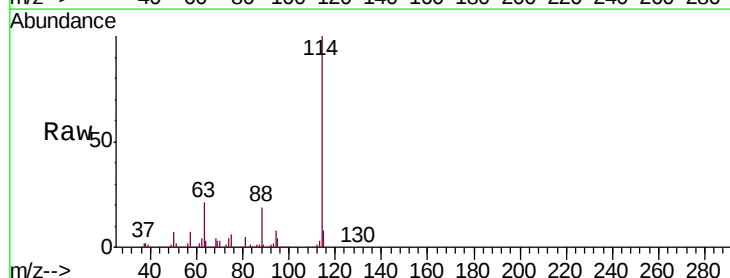
Tgt Ion: 63 Resp: 846144

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

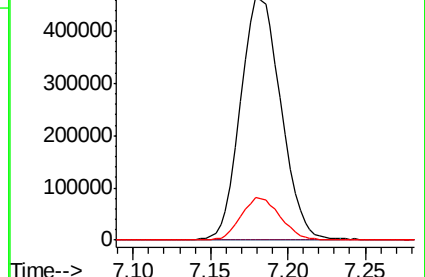
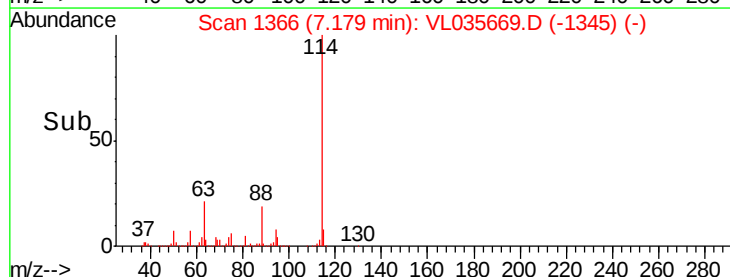
62 17.5 55.4 83.0#

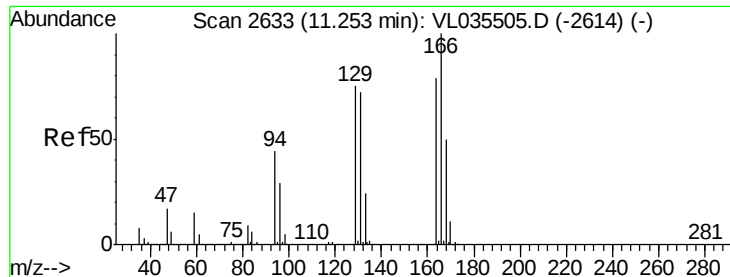


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 24.493 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

Tgt Ion:164 Resp: 4113648

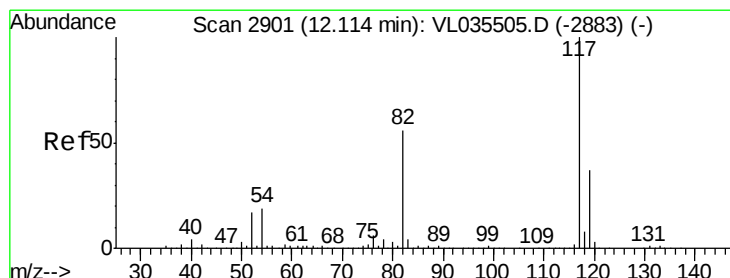
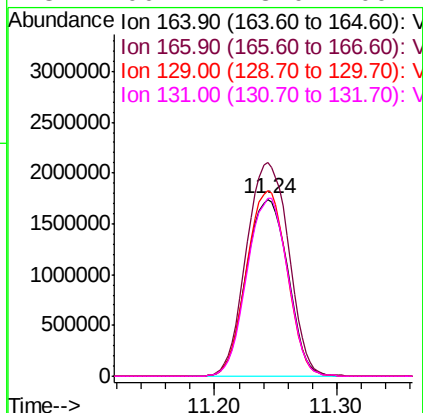
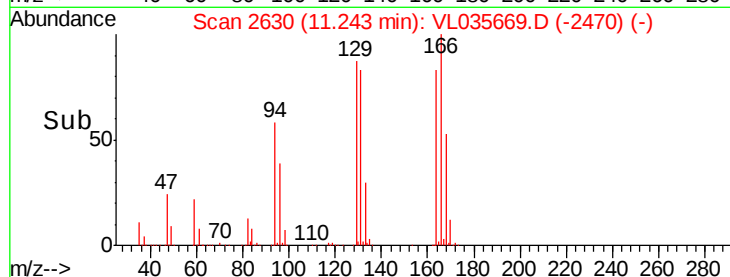
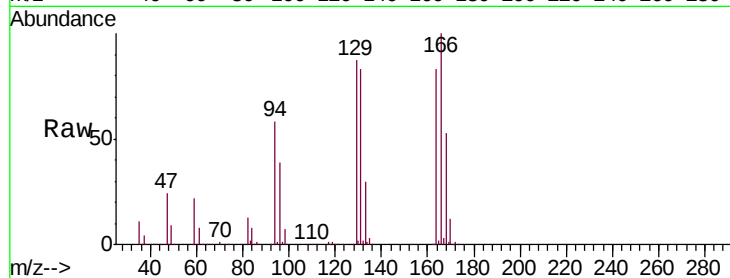
Ion Ratio Lower Upper

164 100

166 120.8 100.9 151.3

129 104.9 75.3 112.9

131 100.7 73.0 109.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

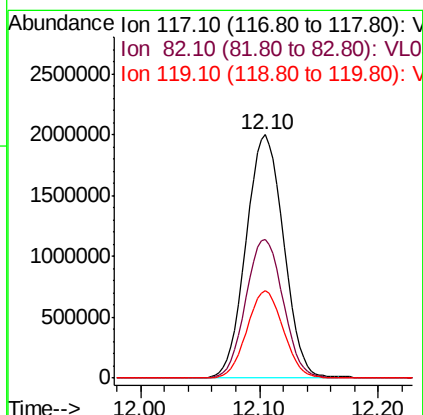
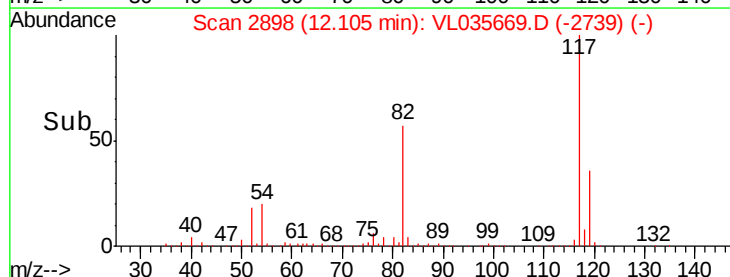
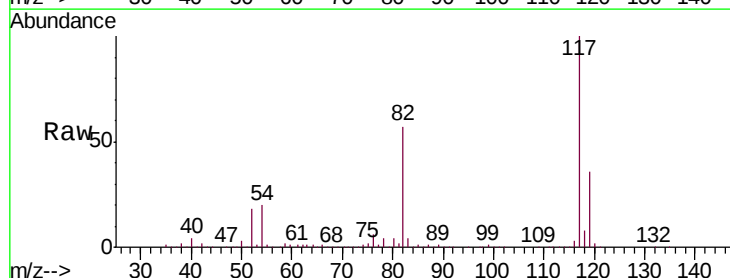
Tgt Ion:117 Resp: 4381143

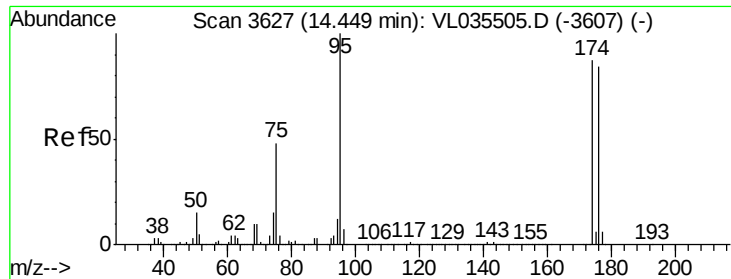
Ion Ratio Lower Upper

117 100

82 57.2 41.6 62.4

119 34.8 29.3 43.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.259 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL035669.D
 Acq: 17 Sep 2020 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Tgt Ion: 95 Resp: 3191815
 Ion Ratio Lower Upper
 95 100
 174 79.4 69.6 104.4
 175 5.7 5.1 7.7

